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TITLE: Chroma key of antialiased  
images  
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INVENTOR-INFORMATION:

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382/199 , 382/299

ABSTRACT:

A method of combining a foreground image and a background image includes scaling up a pixel of interest, which is positioned along an edge between a subject and a key colored backing, into a plurality of edge subpixels. The pixel of interest is included in a digital antialiased foreground image. A corresponding pixel of a digital background scene is also scaled up. The corresponding pixel is associated with the pixel of interest and is scaled up into a plurality of background subpixels. For each of the edge subpixels, if a

color of the edge subpixel matches the key colored backing, a respective new color of the edge subpixel is determined as a function of one of the background subpixels, which is associated with the edge subpixel. Also, the new color is stored to the edge subpixel. After all the subpixels have been evaluated, the edge subpixels are scaled down to a new pixel of interest.

20 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

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Claims Text - CLTX (8):

8. A method of combining a foreground image and a background image, comprising: scaling up a pixel of interest, positioned along an edge between a subject and a key colored backing, into a plurality of edge subpixels, the pixel of interest being included in a digital antialiased foreground image; scaling up a corresponding pixel of a digital background scene, the corresponding pixel being associated with the pixel of interest and being scaled up into a plurality of background subpixels; for each of the edge subpixels, if a color of the edge subpixel matches the key colored backing: determining a respective new color of the edge subpixel as a function of one of

the background subpixels, the background subpixel being associated with the edge subpixel; and storing the new color to the edge subpixel; and scaling down the edge subpixels to a new pixel of interest.